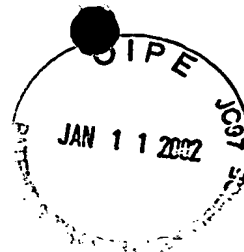


SEQUENCE LISTING



<110> Creech, Christopher D.
Jegla, Timothy J.
ICAgene, Inc.

<120> CNG2B: A Novel Human Cyclic Nucleotide-Gated Ion
Channel

<130> 018512-006510US

<140> US 09/927,267

<141> 2001-08-10

<150> US 60/226,253

<151> 2000-08-17

<160> 16

<170> PatentIn Ver. 2.1

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<211> 575

<212> PRT

<213> Homo sapiens

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<223> cyclic nucleotide-gated cation channel 2B (CNG2B)

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Tyr	Leu	Val	Ala	Trp	Leu	Val	Leu	Asp	Tyr	Thr	Ser	Asp	Leu	Leu	Tyr	65	70	75	80
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Trp	Ser	Phe	Phe	Leu	Asp	Leu	Ala	Ser	Leu	Met	Pro	Thr	Asp	Val	Val	115	120	125	
Tyr	Val	Arg	Leu	Gly	Pro	His	Thr	Pro	Thr	Leu	Arg	Leu	Asn	Arg	Phe	130	135	140	
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Thr	Ala	Tyr	Pro	Asn	Ala	Phe	Arg	Ile	Ala	Lys	Leu	Met	Leu	Tyr	Ile	165	170	175	
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Tyr	Leu	Gly	Phe	Gly	Arg	Asp	Ala	Trp	Val	Tyr	Pro	Asp	Pro	Ala	Gln	195	200	205	
Pro	Gly	Phe	Glu	Arg	Leu	Arg	Gln	Tyr	Leu	Tyr	Ser	Phe	Tyr	Phe		210	215	220	
Ser	Thr	Leu	Ile	Leu	Thr	Thr	Val	Gly	Asp	Thr	Pro	Pro	Pro	Ala	Arg	225	230	235	240

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<213> Homo sapiens

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<222> (333)..(2060)

<223> CNG2B

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<222> (1)..(1728)

<223> CNG2B

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<211> 26

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence:sense strand
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26

<210> 5

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<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence:antisense
strand amplification primer Oligo 2

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26

<210> 6

<211> 26

<212> DNA

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<223> Description of Artificial Sequence:sense strand
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primer Oligo 3

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<223> Description of Artificial Sequence:antisense
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<223> Description of Artificial Sequence:sense strand
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<211> 35

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence:antisense
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<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence:sense strand
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26

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amino acid sequence or rat OCNC2

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 35 40 45
 Leu Ile Ile Val Val Cys Arg Ala Cys Phe Pro Asp Leu Gln His Ser
 50 55 60
 Tyr Leu Val Ala Trp Phe Val Leu Asp Tyr Thr Ser Asp Leu Leu Tyr
 65 70 75 80
 Leu Leu Asp Ile Gly Val Arg Phe His Thr Gly Phe Leu Glu Gln Gly
 85 90 95
 Ile Leu Val Val Asp Lys Gly Met Ile Ala Ser Arg Tyr Val Arg Thr
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 Tyr Leu Gly Phe Gly Arg Asp Ala Trp Val Tyr Pro Asp Pro Ala Gln
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 Pro Gly Phe Glu Arg Leu Arg Arg Gln Tyr Leu Tyr Ser Phe Tyr Phe
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 Gly Phe Ala Thr Ile Met Gly Ser Met Ser Ser Val Ile Tyr Asn Met
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 Asn Thr Ala Asp Ala Ala Phe Tyr Pro Asp His Ala Leu Val Lys Lys
 275 280 285
 Tyr Met Lys Leu Gln His Val Asn Lys Arg Leu Glu Arg Arg Val Ile
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 Asp Trp Tyr Gln His Leu Gln Ile Asn Lys Lys Met Thr Asn Glu Val
 305 310 315 320
 Ala Ile Leu Gln His Leu Pro Glu Arg Leu Arg Ala Glu Val Ala Val
 325 330 335

